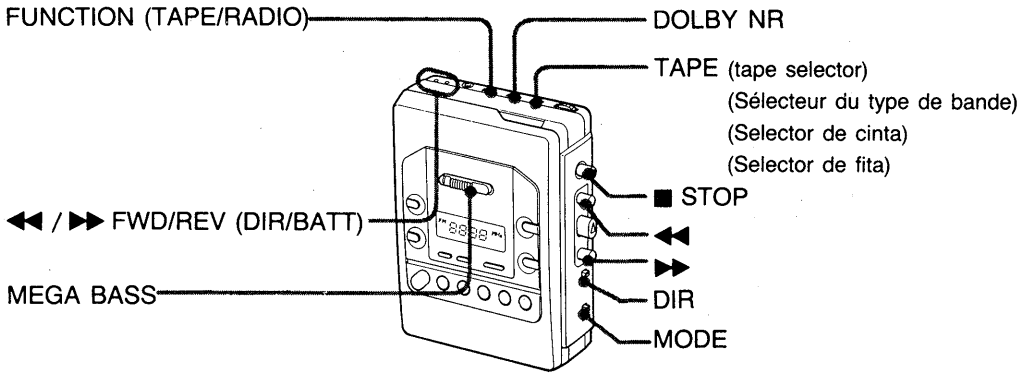
WM-F2085

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model



Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism	WM-AF57/BF57
Tape Transport Mechanism Type	WM-F2085MDT

SPECIFICATIONS

Radio section

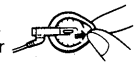
Frequency range FM: 87.5 – 108 MHz
AM: 531 – 1,602 kHz (9 kHz step)
530 – 1,710 kHz (10kHz setp, for US, Canadian)
530 – 1,610 (10 kHz step, for other countries)
Antenna FM: Headphone cord antenna
AM: Built-in ferrite bar antenna

Tape player section

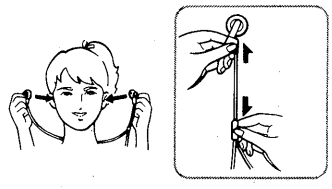
Frequency response (Dolby NR off)
40 – 14,000 Hz (Normal)
40 – 16,000 Hz (CrO_2/METAL)
Power Output 10 mW + 10 mW 16 ohms at DC operation
Output Headphones (stereo minijack): load impedance 8 – 200 ohms
Power requirements
3 V DC
Two R6 (size AA) batteries
DC IN 3 V jack accepts:
Optional Sony EBP-500B battery case for use with R20 (size D) batteries
Optional Sony AC-D2M AC power adaptor
available in US, Canadian for use on 120V AC, 60Hz
available in the UK for use on 240V
AC, 50 Hz
available in AEP for use on 220V
AC, 50 Hz
available in other countries for use on 120 V AC, 60 Hz or 220 V AC, 50 Hz
Optional Sony DCC-70 car battery cord for use with 12 V car battery
Battery life Approx. 9 hours on tape playback and approx. 36 hours on FM reception, using Sony alkaline batteries AM3 (N)
Dimensions Approx. 87.0 × 121.5 × 39.5 mm w/h/d ($3^1/_2$ × $4^7/_8$ × $1^9/_{16}$ inches)
not incl. projecting parts and controls
Weight Approx. 265 g (9.3 oz)
incl. batteries and belt clip

Accessories supplied
Belt clip (1)
US, Canadian, Eurropean and UK model: Stereo headphones (open-air type, 1)
Other model: Stereo earphones (open-air type, 1)

Notes on stereo earphones



- Ear adaptors are attached on the stereo earphones. If the earphones do not fit your ears, detach the ear adaptors.
- Put the cord behind your neck. The knot cannot be moved.



Design and specifications subject to change without notice.

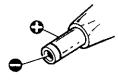
Note
This appliance conforms with EEC Directives 76/889 and 82/499 regarding interference suppresssion.

Optional Accessories

AC power adaptor AC-D2M Battery case EBP-500B
Car battery cord DCC-70

Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed information.

Note: If an AC power adaptor or a car battery cord not manufactured by Sony is used, a fuse must be installed in the power adaptor or the car battery cord and the polarity of the plug must be as illustrated.



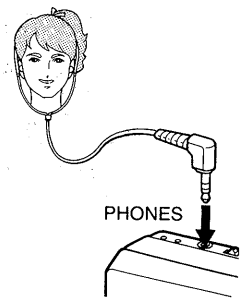
RADIO CASSETTE PLAYER

SONY®

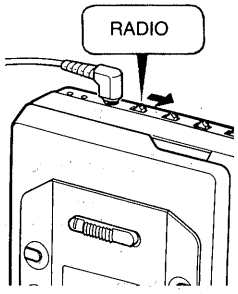
SECTION 1
GENERAL

1-1. RADIO RECEPTION

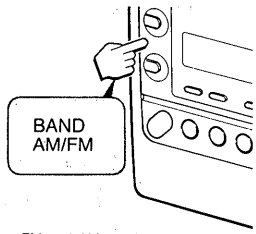
1



2

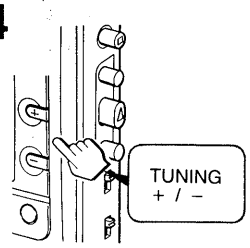


3



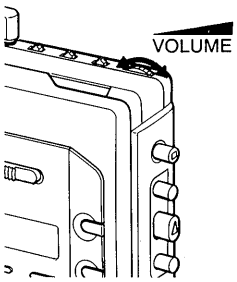
FM and AM can be selected by pressing the appropriate button.

4

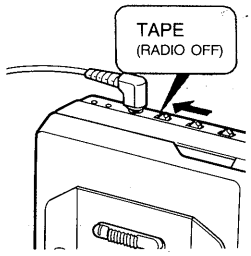


+	For higher frequency
−	For lower frequency

5



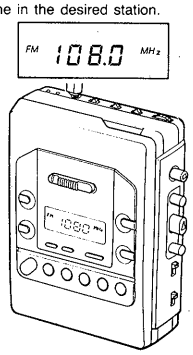
To stop reception



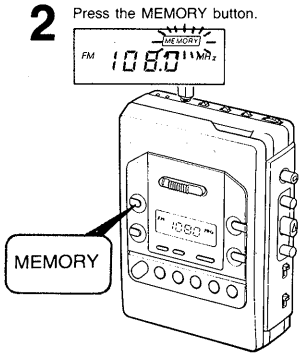
1-2. RPESET TUNING

Presetting the Stations

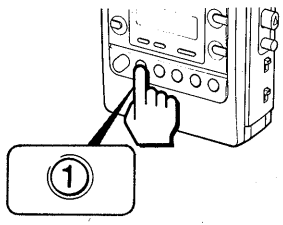
1 Tune in the desired station.



2 Press the MEMORY button.



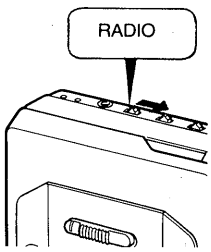
3 Put the station into memory.
Example; To preset the station on the 1 button



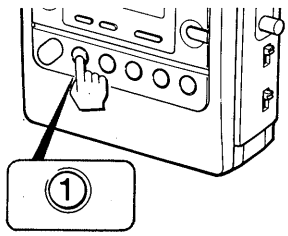
MEMORY indicator stops blinking. Presetting is completed.

Receiving the Preset Stations

1



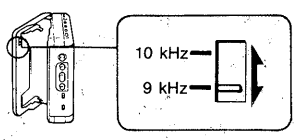
2



Press the button you have preset the station on.
Example: To receive the station preset on the 1 button.

MEMORY indicator appears and goes off after 5 seconds.

Changing the AM Tuning Interval and Initialization

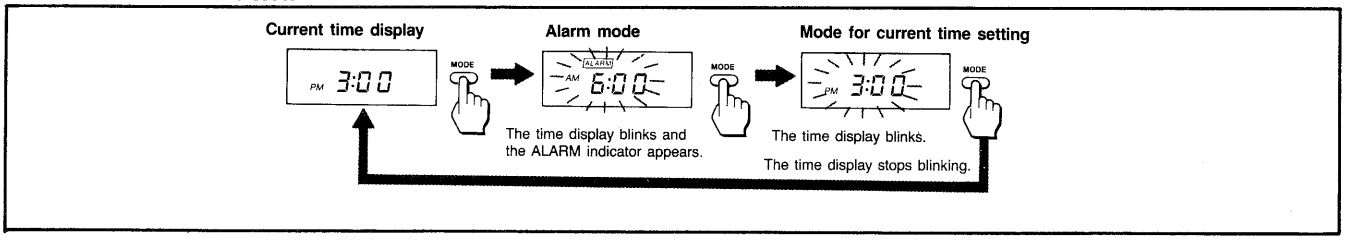


On operation

- To stop the presetting operation just after pressing the MEMORY button, press the button again. The MEMORY indicator goes off.
- To preset or to receive the station on buttons from 6 to 10, press the +5 button before pressing the buttons from 1 to 5. The +5 indicator appears on the display and goes off after 5 seconds together with the MEMORY indicator.

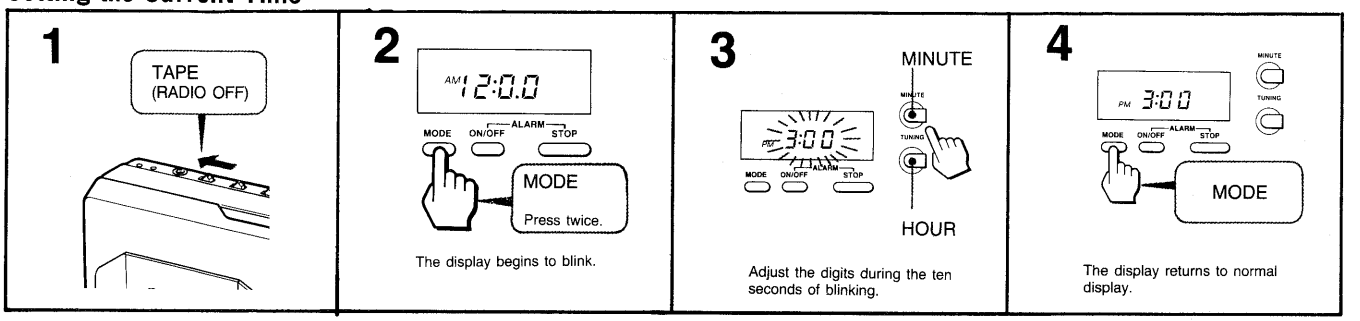
1-3. CLOCK OPERATION

How to Use Mode Button


Current time display
Alarm mode
Mode for current time setting
MODE
The time display blinks and the ALARM indicator appears.
The time display blinks.
The time display stops blinking.

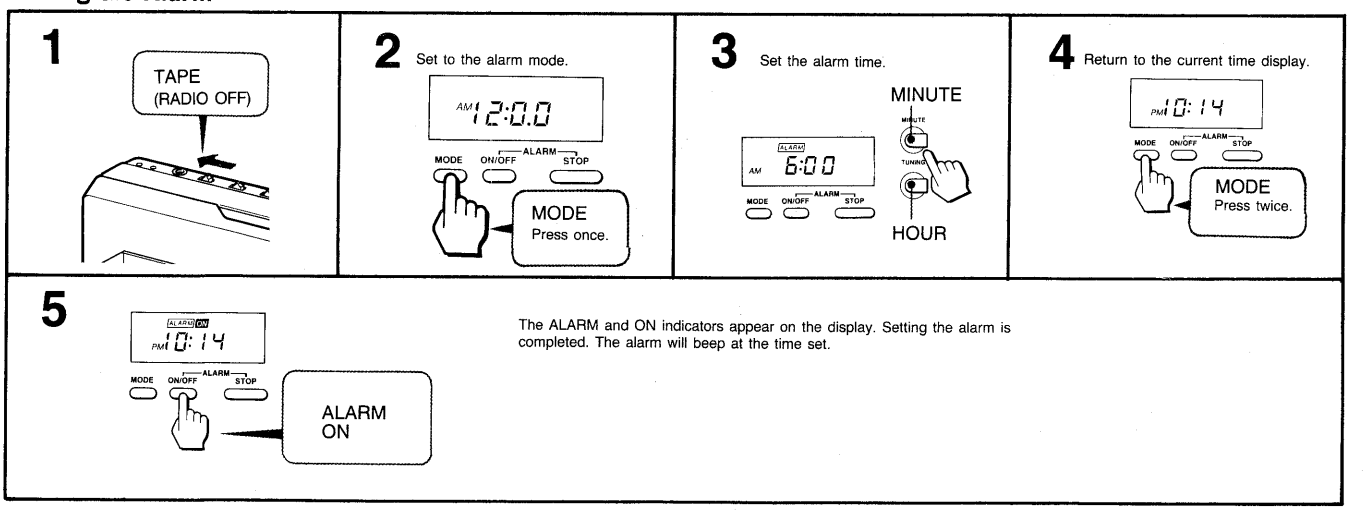
The alarm mode display and the display of the mode for current time setting will automatically return to the current time display after about 10 seconds.

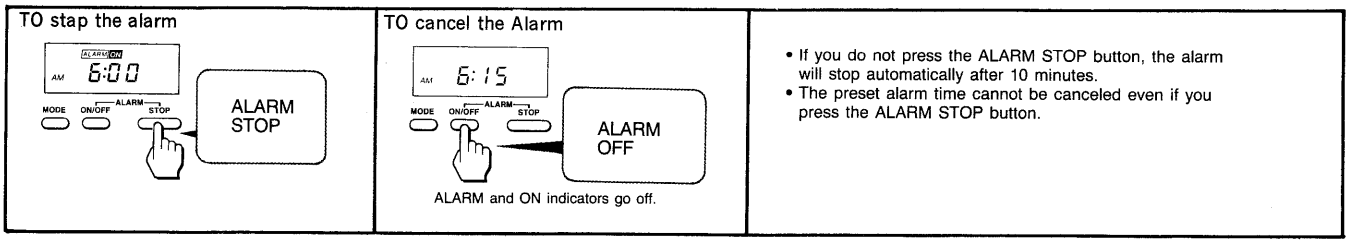
Setting the Current Time



- If you keep pressing the HOUR and MINUTE buttons, the digits advance in sequence.
- The hour display does not advance even when the minute display returns to "00" after "59".
- The hour display is on a 12-hour cycle.
- Replace the batteries within 10 minutes, or the time you set will be canceled.

Setting the Alarm





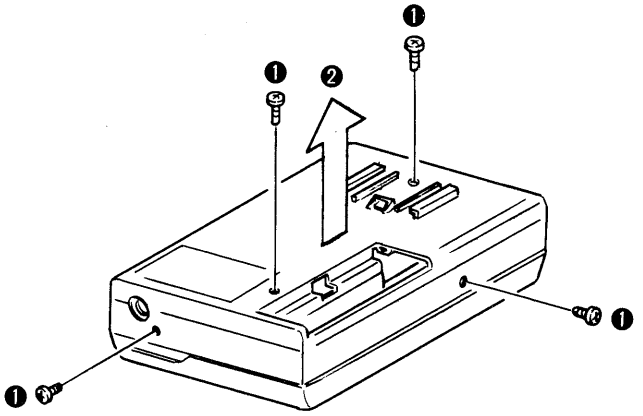
- If you do not press the ALARM STOP button, the alarm will stop automatically after 10 minutes.
- The preset alarm time cannot be canceled even if you press the ALARM STOP button.

- The ALARM and ON indicators appear on the display regardless of the current time once you set the alarm.
- The alarm will be heard from the inside of the unit. You also can hear it when using the headphones when you operate the tape or radio.

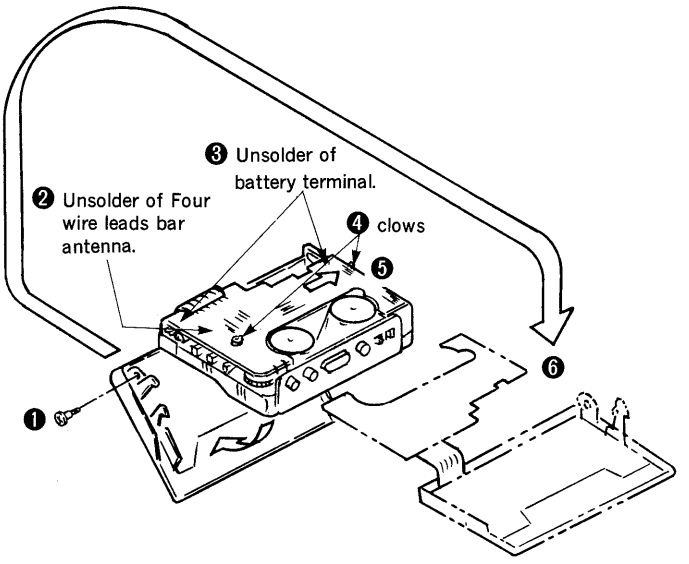
SECTION 2
DISASSEMBLY

Note: Follow the assembly procedure in the numerical over given.

2-1. CABINET



2-2. HOW TO OPEN THE BOARD



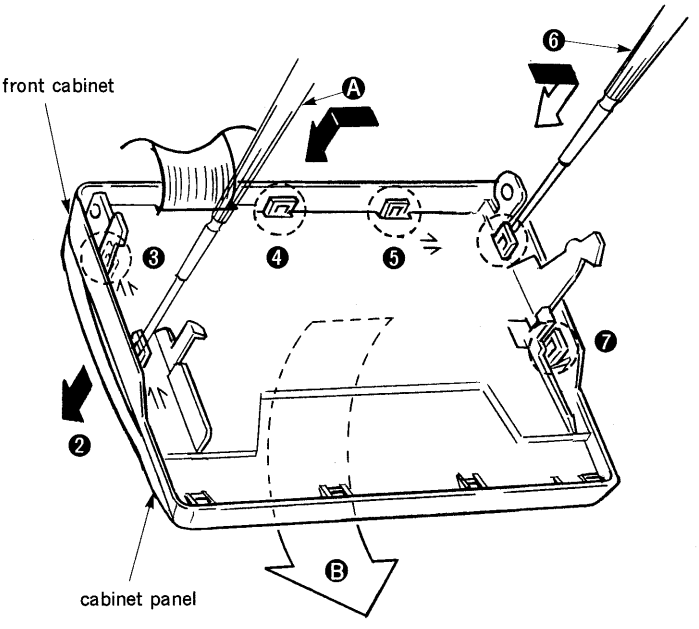
2-3. CABINET PANEL

❶ Slide the six claws to direction of arrow Ⓐ by driver, etc.

❷ An opening space to among cabinet panel and front cabinet.

❸ Remove the six claws in order ❸ to ❼.

❹ Remove the cabinet panel to direction of arrow Ⓑ.



SECTION 3
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol moistened swab :
   playback — pinch roller
   capstan — rubber belts
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (2.5V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102D	20 — 35g•cm (0.27 — 0.48oz•inch)
FWD Back Tension		less than 3g•cm (less than 0.04oz•inch)
REV	CQ-102RC	20 — 35g•cm (0.27 — 0.48oz•inch)
REV Back Tension		less than 3g•cm (less than 0.04 oz•inch)
FF, REW	CQ-201B	more than 60g•cm (more than 0.83 oz•inch)

Tape Tension Measurement

Mode	Torque meter	Meter reading
FWD	CQ-403A	more than 65g•cm (more than 0.89oz•inch)
REV	CQ-403R	

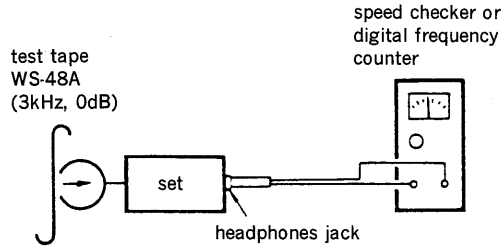
SECTION 4
ELECTRICAL ADJUSTMENTS

CASSETTE SECTION

Tape Speed Adjustment

Procedure :

Mode : playback

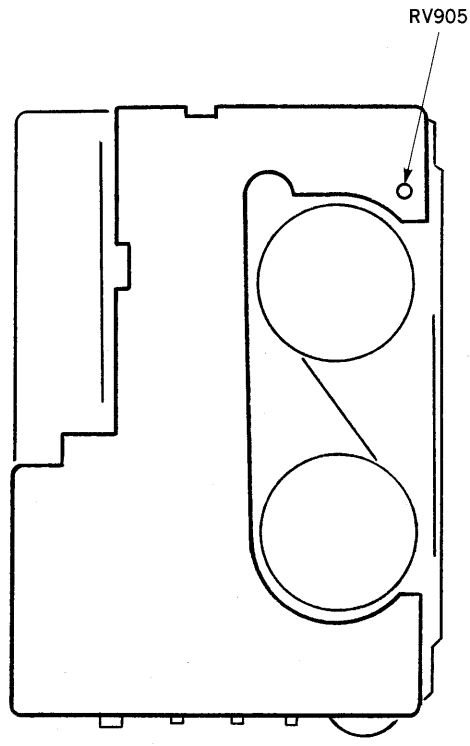


Specification :

speed checker	digital frequency counter
±1%	2,970—3,030Hz

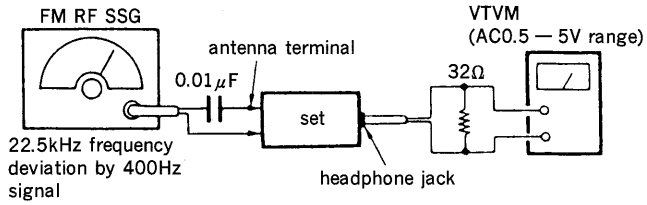
Frequency difference between the beginning and the end of the tape should be within ±2.5% (±75Hz).

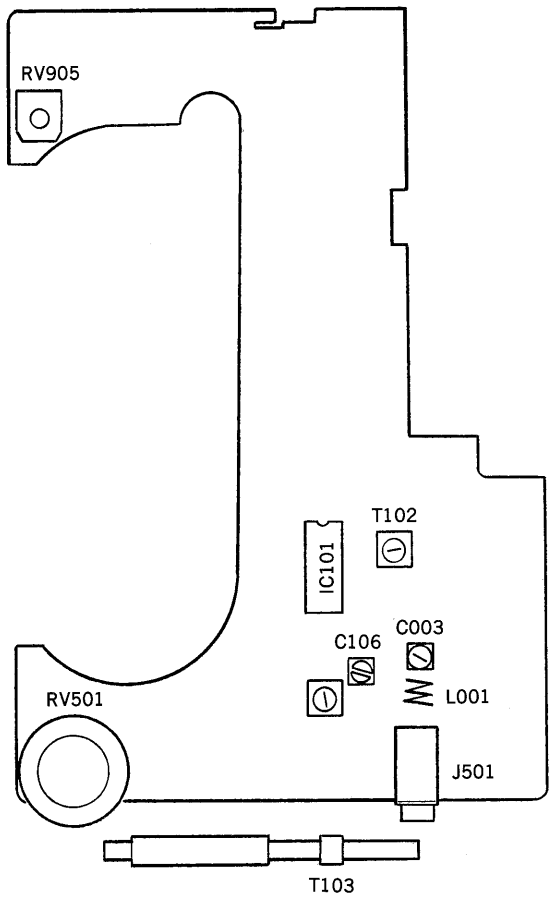
Adjustment Location :



RADIO SECTION

• FM SECTION



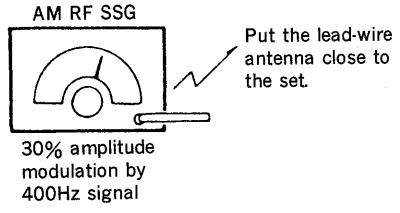


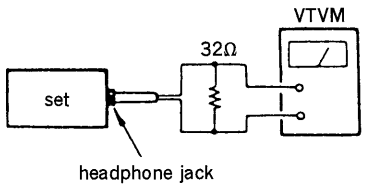
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM Tracking Adjustment

SG and set frequency	Adjustment part	Reading on VTVM
90.0MHz	L001	maximum
106.0MHz	C003	

• AM SECTION





- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

MW IF Alignment

SG and set frequency	Adjustment part	Reading on VTVM
450kHz (SG)	T102	maximum

MW Tracking Adjustment

( ): E, AEP, UK MODEL

SG and set frequency	Adjustment part	Reading on VTVM
600kHz (603kHz)	T103	maximum
1,400kHz (1404kHz)	C106	

SECTION 5
DIAGRAMS

5-1. SEMICONDUCTOR LEAD LAYOUTS

RD4.7ESB-2
1SS119

TLR226

1SV191
1SV149

● Semiconductor Location

Ref. No.	Location
D001	I-11
D002	H-11
D101	I-11
D102	I-12
D301	J-8
D302	J-8
D921	B-12
D923	B-13
D924	G-10
IC001	I-10
IC101	H-22
IC301	J-13
IC401	F-12
IC501	C-12
IC601	F-22
IC701	C-5
IC702	C-7
IC901	B-14
Q002	H-10
Q003	I-24
Q004	I-10
Q102	I-12
Q201	G-12
Q602	D-11
Q703	C-7
Q704	D-7
Q705	B-6
Q706	B-6
Q921	B-12
Q922	B-13
Q923	B-13

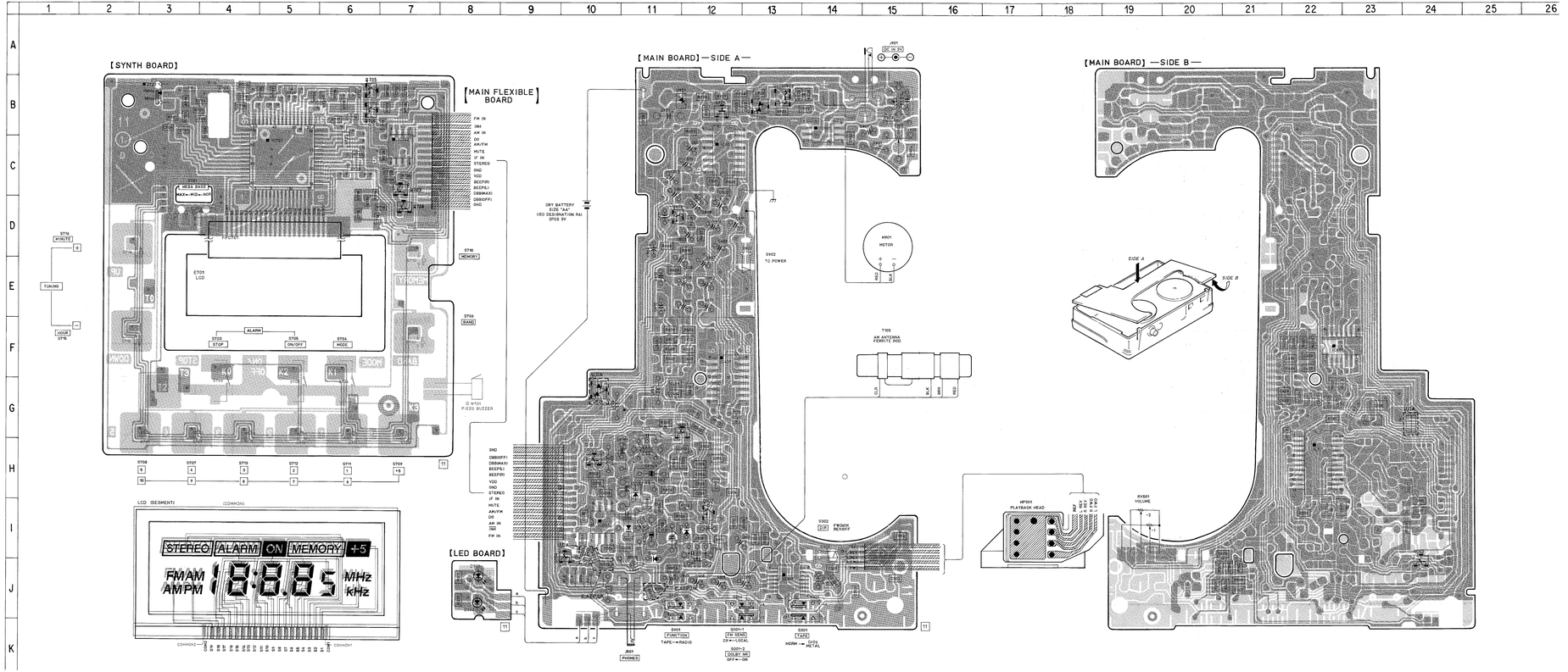
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF. 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- B+ : B+ Line
- ▭ : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc 3V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : TAPE PB
  ( ) : FM
  < > : AM
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ⇨ : PB

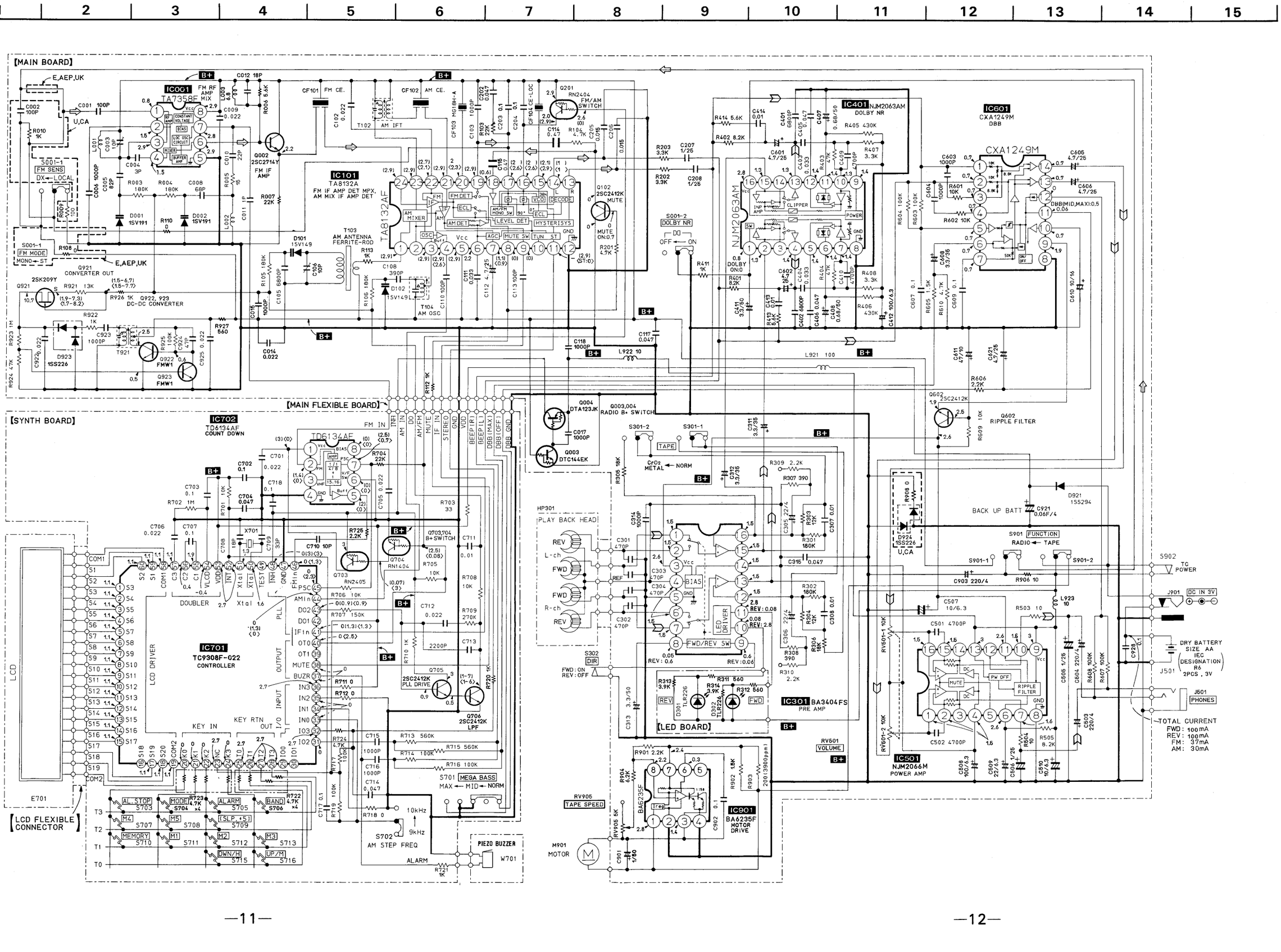
Note on Printed Wiring Board:

- ——— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ⊡ : indicates side identified with part number.
- ○ : Through hole.
- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

5-2. PRINTED WIRING BOARD



5-3. SCHEMATIC DIAGRM

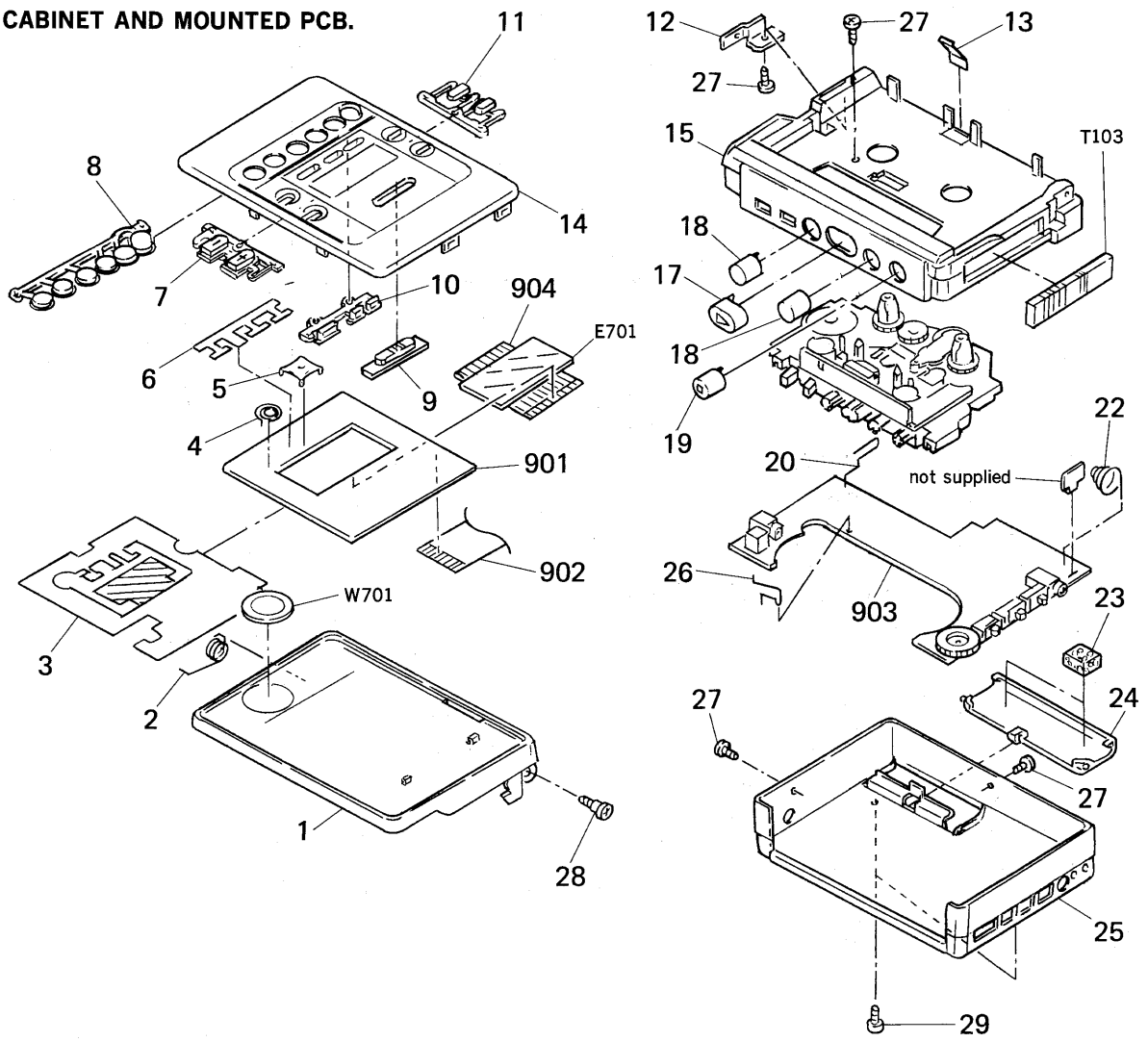


SECTION 6
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts Color

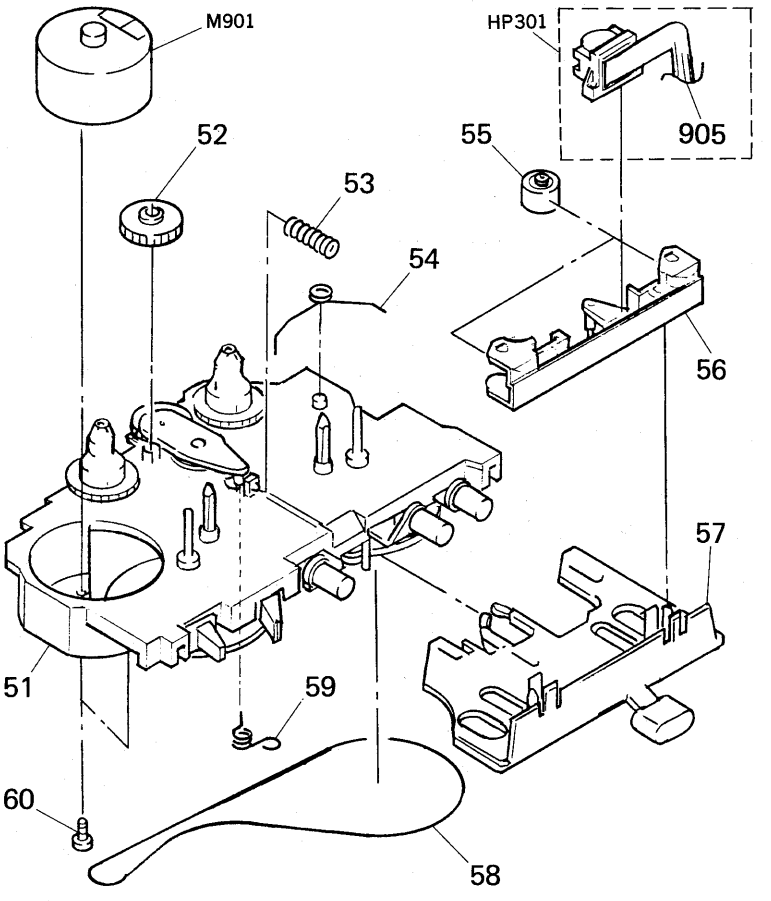
6-1. CABINET AND MOUNTED PCB.



Ref.No	Part No.	Description	Remarks
1	3-359-708-01	CABINET (FRONT)	
2	3-358-189-01	SPRING, TORSION	
3	3-358-196-01	SHEET, SHIELD	
4	*3-358-195-01	SPRING (FRONT), GROUND	
5	3-394-931-01	SPRING	
6	3-394-930-01	CONTACT, SPRING	
7	3-358-192-01	BUTTON, TUNING	
8	3-359-707-01	BUTTON, CHANNEL	
9	3-358-193-01	KNOB, DBB	
10	3-358-190-01	BUTTON, ALARM	
11	3-358-191-01	BUTTON, BAND	
12	3-359-702-01	BRACKET, SPRING	
13	3-358-198-01	SPRING, CASSETTE RETAINER	
14	X-3358-125-1	PANEL ASSY, FRONT	
15	3-359-705-01	CABINET (CENTER)	
17	3-351-527-21	BUTTON (P)	
18	3-351-528-21	BUTTON (FR)	

Ref.No	Part No.	Description	Remarks
19	3-351-529-21	BUTTON (S)	
20	3-358-187-01	TERMINAL (PLUS), BATTERY	
22	3-358-188-01	SPRING, BATTERY	
23	9-911-815-02	CUSHION	
24	X-3358-124-1	LID ASSY, BATTERY CASE	
25	3-359-704-01	CABINET (BACK)	
26	3-358-197-01	SPRING, GROUND	
27	3-394-924-01	SCREW, TAPPING, + HOLE	
28	3-394-912-01	SCREW, TAPPING, STEP	
29	3-394-925-01	SCREW, TAPPING, + HOLE	
901	A-3015-895-A	SYNTHESIZER ASSY	
902	1-635-054-11	PC BOARD, MAIN FLEXIBLE	
903	A-3015-897-A	MOUNTED PCB, MAIN	
904	1-568-556-11	CONNECTOR, LCD FLEXIBLE	
E701	1-808-748-11	LCD	
T103	1-402-499-11	ANTENNA, FERRITE-ROD	
W701	1-529-087-11	BUZZER	

6-2. MECHANISM (WM-F2085 MDT)



Ref.No	Part No.	Description	Remarks
51	X-3346-795-1	CHASSIS SUB ASSY	
52	3-351-597-01	GEAR (R)	
53	3-351-715-01	SPRING, COMPRESSION	
54	3-351-710-01	SPRING (PREVENTION), TORSION	
55	3-352-737-01	PINCH ROLLER	
56	3-351-732-01	PINCH LEVER	
57	3-351-733-06	LEVER, PLAY	

Ref.No	Part No.	Description	Remarks
58	3-351-599-11	BELT	
59	3-351-706-41	SPRING (T), TORSION	
60	3-352-758-01	SCREW(M1.7X1.8), TOOTHED LOCK	
905	1-630-959-11	PC BOARD, FLEXIBLE	
M901	1-541-648-11	MOTOR, DC	
HP301	1-543-716-11	HEAD, MAGNETIC	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

Ref.No	Part No.	Description			
901	A-3015-895-A	SYNTHESIZER ASSY			
902	1-635-054-11	PC BOARD, MAIN FLEXIBLE			
903	A-3015-897-A	MOUNTED PCB, MAIN			
904	1-568-556-11	CONNECTOR, LCD FLEXIBLE			
905	1-630-959-11	PC BOARD, FLEXIBLE			
		CAPACITOR			
C001	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C002	1-163-117-00	(U, CA).... CERAMIC CHIP	100PF	5%	50V
C003	1-141-405-11	CAP, ADJ	10PF		
C004	1-163-086-00	CERAMIC CHIP	3PF	0.25PF	50V
C005	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C006	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C008	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C009	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C010	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C011	1-163-083-00	CERAMIC CHIP	1PF	0.25PF	50V
C012	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C014	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C015	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C017	1-163-141-00	CERAMIC CHIP	1000PF		
C102	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C103	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C105	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C106	1-141-323-11	CAP, ADJ	10PF		
C108	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C110	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C111	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C112	1-126-094-11	ELECT	4.7MF	20%	25V
C113	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C114	1-162-610-00	CERAMIC CHIP	0.47MF		25V
C115	1-162-610-00	CERAMIC CHIP	0.47MF		25V
C117	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C118	1-163-141-00	CERAMIC CHIP	1000PF		
C202	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C203	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C204	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C205	1-163-023-00	CERAMIC CHIP	0.015MF	10%	50V
C206	1-163-023-00	CERAMIC CHIP	0.015MF	10%	50V
C207	1-131-347-00	TANTALUM	1MF	20%	25V
C208	1-131-347-00	TANTALUM	1MF	20%	25V
C301	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C302	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C303	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C304	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C305	1-124-598-11	ELECT	22MF	20%	25V
C306	1-124-598-11	ELECT	22MF	20%	25V
C307	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C308	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C311	1-126-162-11	ELECT	3.3MF	20%	35V
C312	1-126-162-11	ELECT	3.3MF	20%	35V
C313	1-126-162-11	ELECT	3.3MF	20%	35V
C314	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C315	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V

Ref.No	Part No.	Description			
C401	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C402	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C403	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C404	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C405	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C406	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C407	1-124-254-00	ELECT	0.68MF	20%	50V
C408	1-124-254-00	ELECT	0.68MF	20%	50V
C409	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C410	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C411	1-126-162-11	ELECT	3.3MF	20%	35V
C412	1-126-177-11	ELECT	100MF	20%	6.3V
C413	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C414	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C501	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C502	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C503	1-124-434-00	ELECT	220MF	20%	4V
C504	1-124-434-00	ELECT	220MF	20%	4V
C505	1-131-347-00	TANTALUM	1MF	20%	25V
C506	1-131-347-00	TANTALUM	1MF	20%	25V
C507	1-131-377-00	TANTALUM	10MF	20%	6.3V
C508	1-126-177-11	ELECT	100MF	20%	6.3V
C509	1-126-177-11	ELECT	100MF	20%	6.3V
C510	1-131-377-00	TANTALUM	10MF	20%	6.3V
C601	1-126-094-11	ELECT	4.7MF	20%	25V
C602	1-126-094-11	ELECT	4.7MF	20%	25V
C603	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C604	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C605	1-126-094-11	ELECT	4.7MF	20%	25V
C606	1-126-094-11	ELECT	4.7MF	20%	25V
C607	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C608	1-126-162-11	ELECT	3.3MF	20%	35V
C609	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C610	1-126-157-11	ELECT	10MF	20%	6.3V
C611	1-124-589-11	ELECT	47MF	20%	10V
C612	1-126-094-11	ELECT	4.7MF	20%	25V
C701	1-163-037-11	CERAMIC CHIP	0.022MF		
C702	1-163-038-00	CERAMIC CHIP	0.1MF		
C703	1-163-038-00	CERAMIC CHIP	0.1MF		
C704	1-163-809-11	CERAMIC CHIP	0.047MF		
C705	1-163-037-11	CERAMIC CHIP	0.022MF		
C706	1-163-037-11	CERAMIC CHIP	0.022MF		
C707	1-163-038-00	CERAMIC CHIP	0.1MF		
C708	1-163-099-00	CERAMIC CHIP	18PF		
C709	1-163-105-00	CERAMIC CHIP	33PF		
C710	1-163-093-00	CERAMIC CHIP	10PF		
C711	1-164-232-11	CERAMIC CHIP	0.01MF		
C712	1-163-037-11	CERAMIC CHIP	0.022MF		
C713	1-164-161-11	CERAMIC CHIP	2200PF		
C714	1-163-809-11	CERAMIC CHIP	0.047MF		
C715	1-163-141-00	CERAMIC CHIP	1000PF		
C716	1-163-141-00	CERAMIC CHIP	1000PF		
C717	1-163-038-00	CERAMIC CHIP	0.1MF		
C718	1-163-038-00	CERAMIC CHIP	0.1MF		
C901	1-124-438-00	ELECT	1MF	20%	50V

REVISED

Ref.No	Part No.	Description			
C902	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C903	1-124-434-00	ELECT	220MF	20%	4V
C921	1-125-626-11	DOUBLE LAYERS 0.06F			
C922	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C923	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C924	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C925	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C928	1-163-038-00	CERAMIC CHIP	0.1MF		25V
CF101	1-578-775-11	FILTER, CERAMIC			
CF102	1-577-513-11	FILTER, CERAMIC			
CF103	1-578-776-11	DISCRIMINATOR, CERAMIC			
CF104	1-577-091-11	OSCILLATOR, CRYSTAL			
D001	8-719-821-00	DIODE 1SV191			
D002	8-719-821-00	DIODE 1SV191			
D101	8-719-800-72	DIODE 1SV149-B			
D102	8-719-800-72	DIODE 1SV149-B			
D301	8-719-812-26	DIODE TLR226			
D302	8-719-812-26	DIODE TLR226			
D921	8-719-820-61	DIODE 1SS294			
D923	8-719-800-76	DIODE 1SS226			
D924	8-719-800-76	(U, CA)....DIODE 1SS226			
E701	1-808-748-11	LCD			
IC001	8-759-206-37	IC TA7358F			
IC101	8-759-234-29	IC TA8132F			
IC301	8-759-242-93	IC BA3404FS			
IC401	8-759-701-07	IC NJM2063AM			
IC501	8-759-711-61	IC NJM2066M			
IC601	8-759-805-09	IC CXA1249M			
IC701	8-759-242-92	IC TC9308AF-022			
IC702	8-759-234-27	IC TD6134AF			
IC901	8-759-939-70	IC BA6235			
J501	1-563-857-11	JACK, HEADPHONE			
J901	1-568-228-11	JACK, EXTERNAL POWER			
L001	*1-428-135-11	COIL 6TL			
L002	*1-428-134-11	COIL 6TR			
L003	*1-424-398-11	COIL			
L921	1-412-145-11	INDUCTOR, SMALL TYPE			
L922	1-412-144-11	INDUCTOR, SMALL TYPE			
L923	1-412-144-11	INDUCTOR, SMALL TYPE			
M901	1-541-648-11	MOTOR, DC			
Q002	8-729-200-87	TRANSISTOR 2SC2714-Y			
Q003	8-729-901-01	TRANSISTOR DTC144EK			
Q004	8-729-923-62	TRANSISTOR DTA123JK			
Q102	8-729-271-32	TRANSISTOR 2SC2713			
Q201	8-729-207-70	TRANSISTOR RN2404			
Q602	8-729-271-32	TRANSISTOR 2SC2713			
Q704	8-729-207-58	TRANSISTOR RN1404			
Q921	8-729-109-44	TRANSISTOR 2SK94			
Q922	8-729-903-10	TRANSISTOR FMW1			
Q923	8-729-903-10	TRANSISTOR FMW1			

RESISTOR

R003	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R004	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R005	1-216-005-00	METAL GLAZE	15	5%	1/10W
R006	1-216-067-00	METAL GLAZE	5.6K		
R007	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R009	1-216-025-00	(U, CA).... METAL GLAZE	100	5%	1/10W
R010	1-216-049-00	(U, CA).... METAL GLAZE	1K	5%	1/10W
R110	1-216-296-00	METAL GLAZE	0		
R103	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R104	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R105	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R106	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R108	1-216-296-00	(E, AEP, UK).... METAL GLAZE	0		
R112	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R113	1-216-049-00	METAL GLAZE	1.0K		
R201	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R202	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R203	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R301	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R302	1-216-103-00	METAL GLAZE	180K	5%	1/10W
R303	1-216-224-00	METAL GLAZE	12K	5%	1/8W
R304	1-216-224-00	METAL GLAZE	12K	5%	1/8W
R305	1-216-228-00	METAL GLAZE	18K	5%	1/8W
R306	1-216-228-00	METAL GLAZE	18K	5%	1/8W
R307	1-216-039-00	METAL GLAZE	390	5%	1/10W
R308	1-216-039-00	METAL GLAZE	390	5%	1/10W
R309	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R310	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R311	1-216-043-00	METAL GLAZE	560	5%	1/10W
R312	1-216-043-00	METAL GLAZE	560	5%	1/10W
R313	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W
R314	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W
R401	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R402	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R403	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R404	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R405	1-216-112-00	METAL GLAZE	430K	5%	1/10W
R406	1-216-112-00	METAL GLAZE	430K	5%	1/10W
R407	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R408	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R411	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R413	1-216-067-00	RES, CHIP 5.6K			
R414	1-216-067-00	RES, CHIP 5.6K			
R503	1-216-001-00	METAL GLAZE	10	5%	1/10W
R504	1-216-001-00	METAL GLAZE	10	5%	1/10W
R505	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R601	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R602	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R603	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R604	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R605	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R606	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R607	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R608	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R609	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R610	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R701	1-216-073-00	METAL CHIP	10K		
R702	1-216-121-00	METAL GLAZE	1.0M		
R703	1-216-013-00	METAL GLAZE	33		
R704	1-216-081-00	METAL GLAZE	22K		
R705	1-216-073-00	METAL CHIP	10K		
R706	1-216-073-00	METAL CHIP	10K		
R707	1-216-101-00	METAL GLAZE	150K		
R708	1-216-073-00	METAL CHIP	10K		
R709	1-216-103-00	METAL GLAZE	180K		
R710	1-216-049-00	METAL GLAZE	1.0K		
R711	1-216-296-00	METAL GLAZE	0		
R712	1-216-296-00	METAL GLAZE	0		
R713	1-216-115-00	METAL GLAZE	560K		
R714	1-216-097-00	METAL GLAZE	100K		
R715	1-216-115-00	METAL GLAZE	560K		
R716	1-216-097-00	METAL GLAZE	100K		
R717	1-216-097-00	METAL GLAZE	100K		
R718	1-216-296-00	METAL GLAZE	0		

REVISED

Ref.No	Part No.	Description			
R719	1-216-097-00	METAL GLAZE	100K		
R720	1-216-049-00	METAL GLAZE	1.0K		
R721	1-216-049-00	METAL GLAZE	1.0K		
R722	1-236-785-11	RES, NETWORK	4.7KX4		
R723	1-236-785-11	RES, NETWORK	4.7KX4		
R724	1-216-065-00	METAL GLAZE	4.7K		
R725	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R901	1-808-731-11	THERMISTOR, POSITIVE	2.2K		
R902	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R903	1-809-074-11	THERMISTER, POSITIVE	200		
R904	1-216-068-00	METAL GLAZE	6.2K	5%	1/10W
R906	1-216-001-00	METAL GLAZE	10	5%	1/10W
R921	1-216-076-00	METAL GLAZE	13K	5%	1/10W
R922	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R923	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R924	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R925	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R926	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R927	1-216-043-00	METAL GLAZE	560	5%	1/10W
RV501	1-241-063-11	RES, VAR, CARBON	10K (VOLUME)		
RV905	1-228-993-00	RES, ADJ, CARBON	5K (TAPE SPEED)		
S001	1-572-363-11	SWITCH, SLIDE (FM SENS/DOLBYNR)			
S301	1-572-363-11	SWITCH, SLIDE (TAPE)			
S302	1-572-364-11	SWITCH, LEAF			
S701	1-571-121-11	SWITCH, SLIDE (MEGA BASS)			
S702	1-571-120-11	SWITCH, SLIDE (AM STEP)			
S901	1-572-363-11	SWITCH, SLIDE (FUNCTION)			
S902	1-572-364-11	SWITCH, LEAF			
T102	1-404-860-11	TRANSFORMER, IF (AM)			
T103	1-402-499-11	ANTENNA, FERRITE-ROD			
T104	1-406-384-11	COIL (OSC)			
T921	1-449-671-11	TRANSFORMER, DC-DC CONVERTER			
W701	1-529-087-11	BUZZER			
X701	1-577-464-11	VIBRATOR, CRYSTAL			

Ref.No	Part No.	Description
		ACCESSORIES & PACKING MATERIALS
		**********
	*3-358-138-01	CUSHION
	*3-358-144-01	INDIVIDUAL CARTON
	3-751-400-11	(EXCEPT FOR U)....MANUAL, INSTRUCTION
	3-751-400-21	(U)....MANUAL, INSTRUCTION
	3-751-400-41	(AEP)....MANUAL, INSTRUCTION
	8-952-260-92	(EXCEPT FOR E)....MDR-W10L/1 SET
	8-952-350-90	(E)....HEADPHONE MDR-E454

9-955-778-11
(Including 9-955-778-91)

Sony Corporation
Audio Group

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90C04100-1
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WM-F2085

SONY
SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

CORRECTION-2

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
17	RV905	1-228-993-00	RES, ADJ, CARBON (TAPE SPEED)	1-230-490-11 ☛	RES, ADJ, CARBON (TAPE SPEED)

9-955-778-92

Sony Corporation
General Audio Group

English
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WM-F2085

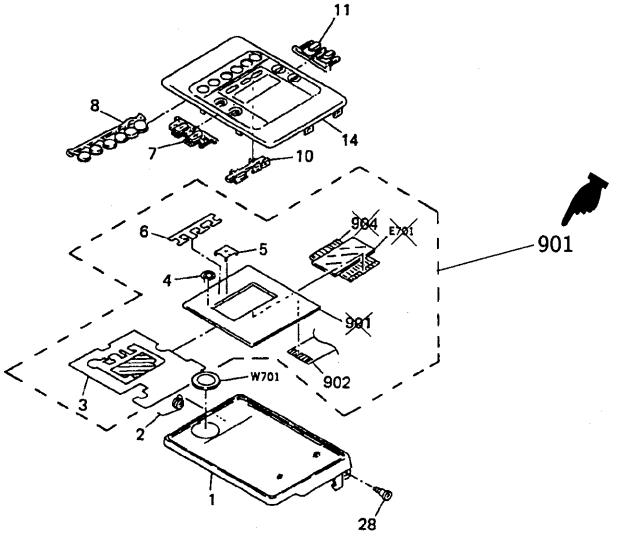
SONY
SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

CORRECTION-3

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
13	904	1-568-556-11	CONNECTOR, LCD FLEXIBLE	—— not supplied ——	
	E701	1-808-748-11	LCD	They are contained with in SYNTHESIZER ASSY (901).	
15	904	1-568-556-11	CONNECTOR, LCD FLEXIBLE		
16	E701	1-808-748-11	LCD		
13					

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General Audio Group

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